

EAST SEARCH

7/2/04

| L# | Hits | Search String | Databases |
|-----|------|---|---|
| L1 | 4 | 20020082779 or "20020155162" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L2 | 283 | model with bone with (structur\$2 or mechanis\$2 or macrostructur\$2 or hierarchical) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L3 | 78 | 2 and ((structur\$2 or mechanis\$2 or macrostructur\$2 or hierarchical) with proper\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L4 | 10 | 2 and (bone with (external near2 force\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L5 | 14 | 2 and (predict\$3 with bone with (deform\$5 or fracture\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L6 | 69 | 2 and (bone with (reconstruct\$3 or prosthesis)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L7 | 15 | (model with bone) and (bone with (external near2 force\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| | | (model with bone) and (tension or compression or shear or bending or torsion or prestress or pinching or (cement near2 slippage)) | |
| L8 | 1025 | 2 and (tension or compression or shear or bending or torsion or prestress or pinching or (cement near2 slippage)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L9 | 121 | (model with bone with (viscoelastic or osteon)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L10 | 6 | bone with (osteon) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L11 | 83 | bone with (viscoelastic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L12 | 87 | 2 and (bone with (compact or cancellous)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L13 | 38 | 10 or 11 or 12 or 15 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L16 | 155 | 16 and (viscoelastic or mechanical) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L17 | 133 | 17 and (collagen or mucopolysaccharide or hydroxyapatite or (bundle near2 orientation) or (o | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L18 | 78 | 17 and (angle-of-twist or (angle near2 twist) or torque or (strain near2 rate)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L19 | 29 | 17 and (angle-of-twist with torque with (strain near2 rate)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L20 | 3 | 17 and (angle-of-twist with torque with (hydroxyapatite)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L21 | 3 | 17 and (osteon with (collagen or mucopolysaccharide)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L22 | 16 | 17 and (osteon with ((internal or external) with diameter) or height or length)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L23 | 4 | 17 and ("finite element") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L24 | 15 | 17 and (predict\$3 with bone with (deform\$5 or fracture\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L25 | 8 | 17 and (simulat\$3 with fracture\$1 with (stress or torque)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L26 | 4 | 17 and (bone with (reconstruct\$3 or prosthesis)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L27 | 54 | 17 and (angle-of-twist with (quasi-static near2 torsion\$2)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L28 | 2 | 17 and (collagen with direction) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L29 | 5 | 17 and ("light microscopy" or "onfocal microscopy" or "x-ray diffraction") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L30 | 10 | 17 and ((secondary or alternate or longitudinal) with osteon) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L31 | 10 | 17 and ((porosity near2 fluid\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L32 | 3 | 17 and (Ramgood near2 Osgood) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L33 | 2 | 17 and (osteon with (alternate or longitudinal) with laminae) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L34 | 4 | 17 and (simulat\$3 with fracture\$1 with ((stress) or torque)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L35 | 4 | 17 and (hydrolysis or hydroxyproline or hexosamine) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L36 | 18 | (bone with (osteon or viscoelastic)) and (viscoelastic or mechanical) and ((model with (visco | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L37 | 100 | 2 and (((structur\$2 or mechanis\$2 or macrostructur\$2 or hierarchical) with proper\$3) or (bor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L14 | 185 | osteon with (secondary or alternate or longitudinal) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L15 | 12 | model with bone with (microstructur\$2 or macrostructur\$2 or hierarchical) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L38 | 21 | | |

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|-----|------|--|---|
| L1 | 2 | (((model with bone with (viscoelastic or osteon)) or (bone with (osteon)) or (bone with (viscoelastic or osteon)) and (Ramgood near2 Osgood) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L2 | 2 | (bone with (osteon or viscoelastic)) and (collagen with mucopolysaccharide\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L3 | 12 | (bone with (osteon or viscoelastic)) and (collagen with mucopolysaccharide\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L1 | 11 | 5,947,893.pn. or 6,333,313.pn. or 6,213,958.pn. or 6,442,287.pn. or 6,416,737.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L2 | 3 | Osteon and (Ramgood or Osgood) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L3 | 1745 | (Ramgood or Osgood) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L4 | 2 | (Ramgood near2 Osgood) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L5 | 4 | (Ramgood or Osgood) with (torque or hydroxyapatite or (angle near2 twist) or (strain near2 twist)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L6 | 1 | 2,892,629.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L7 | 12 | (bone with osteon) and (collagen with mucopolysaccharide\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L8 | 6 | osteon with (((internal or external) with diameter) or height or length) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L9 | 15 | (((model with bone with (viscoelastic or osteon)) or (bone with (osteon)) or (bone with (viscoelastic or osteon)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L10 | 156 | (model with bone with (viscoelastic or osteon)) or (bone with (osteon)) or (bone with (viscoelastic or osteon)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| L11 | 4 | 10 and (fracture with torque) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |

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Maria-Grazia Ascenzi

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Results of search set L38:

(bone with (osteon or viscoelastic)) and (viscoelastic or mechanical) and (model with (viscoelastic or osteon)) or (osteon with (secondary or alternate or longitudinal) or (collagen or mucopolysaccharide or hydroxyapatite or (bundle near2 orientation) or (osteon near2 axis) or osteocyte or osteoblast or (porosity near2 fluid\$1)) or (angle-of-twist or (angle near2 twist) or torque or (strain near2 rate)) or (Ramgood near2 Osgood) or (angle-of-twist with torque with (strain near2 rate)) or (angle-of-twist with torque with (hydroxyapatite)) or (osteon with (collagen or mucopolysaccharide)) or (osteon with ((internal or external) with diameter) or height)) or (osteon with (alternate or longitudinal with laminae) or ("finite element") or (predict\$3 with bone with (deform\$5 or fracture\$1)) or (simulat\$3 with fracture\$1 with ((stress near2 distribution) or torque)) or (bone with (reconstruct\$3 or prosthesis)) or (angle-of-twist with torque with (quasi-static near2 torsion\$2)) or (hydrolysis or hydroxyproline or hexosamine) or ((collagen near2 bundle) with direction) or ("light microscopy" or "onfocal mic

| Document/Kind Codes | Title | Issue Date | Current OR | Abstract |
|---------------------|---|------------|------------|----------|
| US 20040091459 A1 | Bone graft material incorporating demineralized bone matrix and lipids | 20040513 | 424/93.7 | |
| US 20040082998 A1 | Artificial pyramid | 20040429 | 623/17.11 | |
| US 20040078087 A1 | Porous hydroxy apatite containing silicon and magnesium, and a preparation method thereof | 20040422 | 623/23.56 | |
| US 20040068226 A1 | Osteodwelling catheter | 20040408 | 604/101.01 | |
| US 20040062786 A1 | Method and system for modelling bone structure | 20040401 | 424/423 | |
| US 20040059328 A1 | Bone-treatment instrument and method | 20040325 | 606/41 | |
| US 20040054372 A1 | Biodegradable composites | 20040318 | 606/77 | |
| US 20040033950 A1 | Method of increasing bone toughness and stiffness and reducing fractures | 20040219 | 514/12 | |
| US 20040019132 A1 | Bone graft substitutes | 20040129 | 523/115 | |
| US 20040005297 A1 | Biological scaffold | 20040108 | 424/93.7 | |
| US 20040002770 A1 | Polymer-bioceramic composite for orthopaedic applications and method of manufacture there | 20040101 | 623/23.51 | |
| US 20030232071 A1 | Biomimetic organic/inorganic composites, processes for their production, and methods of use | 20031218 | 424/443 | |

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|-------------------|--|--------------------|
| US 20030217415 A1 | Plasticized bone grafts and methods of making and using same | 20031127 8/94.11 |
| US 20030216899 A1 | Multidirectional morphology and mechanics of osteonic lamellae | 20031120 703/11 |
| US 20030204204 A1 | Method of securing body tissue | 20031030 606/232 |
| US 20030175251 A1 | Method for achieving tissue changes in bone or bone-derived tissue | 20030918 424/93.7 |
| US 20030144743 A1 | Osteoimplant and method for making same | 20030731 623/23.63 |
| US 20030135284 A1 | Plasticized bone grafts and methods of making and using same | 20030717 623/23.61 |
| US 20030112921 A1 | Methods and devices for analysis of x-ray images | 20030619 378/54 |
| US 20030083752 A1 | Plasticized bone and soft tissue grafts and methods of making and using same | 20030501 623/23.63 |
| US 20030078669 A1 | Compliant tibial tray assembly | 20030424 623/20.32 |
| US 20030074172 A1 | Method and apparatus for a head injury simulation system | 20030417 703/11 |
| US 20030074081 A1 | Non-uniform porosity tissue implant | 20030417 623/23.5 |
| US 20030065399 A1 | Biaxial core compression | 20030403 623/23.11 |
| US 20030055431 A1 | Bone cutting assembly | 20030320 606/80 |
| US 20030055316 A1 | Endoscopic bone debridement | 20030320 600/114 |
| US 20030032586 A1 | COMPOSITIONS FOR MORPHOGEN-INDUCED OSTEOGENESIS | 20030213 514/12 |
| US 20020177785 A1 | Tissue collection apparatus | 20021128 600/562 |
| US 20020165616 A1 | Resorbable bone replacement and bone formation material | 20021107 623/23.56 |
| US 20020161300 A1 | Ultrasound measurement techniques for bone analysis | 20021031 600/449 |
| US 20020160032 A1 | Manufacture of bone graft substitutes | 20021031 424/423 |
| US 20020155162 A1 | Modeling viscoelastic torsional properties of osteons | 20021024 424/549 |
| US 20020151978 A1 | Skeletal implant | 20021017 623/17.12 |
| US 20020133148 A1 | Bone-treatment instrument and method | 20020919 606/34 |
| US 20020120345 A1 | Plasticized soft tissue grafts, and methods of making and using same | 20020829 623/23.61 |
| US 20020082779 A1 | System and method for modeling bone structure | 20020627 702/19 |
| US 20020062154 A1 | Non-uniform porosity tissue implant | 20020523 623/23.76 |
| US 20020022846 A1 | Method for fusing bone during endoscopy procedures | 20020221 606/86 |
| US 20010041916 A1 | Method of securing body tissue | 20011115 606/232 |
| US 20010034556 A1 | Plasticized bone grafts, and methods of making and using same | 20011025 623/23.63 |
| US 20010027278 A1 | Ultrasonic and growth factor bone-therapy: apparatus and method | 20011004 601/2 |
| US 20010007957 A1 | Method and apparatus for segmental bone replacement | 20010712 623/23.17 |
| US 6712855 B2 | Compliant tibial tray assembly | 20040330 623/20.34 |
| US 6692532 B1 | Bone repair composite material | 20040217 623/23.51 |
| US 6656184 B1 | Bone screw with helical spring | 20031202 606/73 |
| US 6652818 B1 | Implant sterilization apparatus | 20031125 422/295 |
| US 6652473 B2 | Ultrasonic and growth factor bone-therapy: apparatus and method | 20031125 601/1 |
| US 6635073 B2 | Method of securing body tissue | 20031021 606/232 |
| US 6630153 B2 | Manufacture of bone graft substitutes | 20031007 424/422 |
| US 6622731 B2 | Bone-treatment instrument and method | 20030923 128/898 |
| US 6613278 B1 | Tissue pooling process | 20030902 422/33 |
| US 6613088 B1 | Coated ophthalmic and implantable devices and methods for producing same | 20030902 623/6.62 |
| US 6607561 B2 | Biaxial core compression | 20030819 623/23.11 |
| US 6569200 B2 | Plasticized soft tissue grafts, and methods of making and using same | 20030527 623/13.11 |
| US 6547794 B2 | Method for fusing bone during endoscopy procedures | 20030415 606/86 |
| US 6544289 B2 | Plasticized bone grafts, and methods of making and using same | 20030408 623/23.61 |
| US 6508841 B2 | Method and apparatus for segmental bone replacement | 20030121 623/23.12 |
| US 6414320 B1 | Composition analysis by scanning femtosecond laser ultraprobing (CASFLU). | 20020702 250/425 |
| US 6293970 B1 | Plasticized bone and soft tissue grafts and methods of making and using same | 20010925 623/23.61 |

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|----------------|--|--------------------|
| US 6287310 B1 | Fasteners having coordinated self-seeking conforming members and uses thereof | 20010911 606/63 |
| US 6283997 B1 | Controlled architecture ceramic composites by stereolithography | 20010904 623/16.11 |
| US 6231528 B1 | Ultrasonic and growth factor bone-therapy: apparatus and method | 20010515 601/2 |
| US 6213958 B1 | Method and apparatus for the acoustic emission monitoring detection, localization, and classi | 20010410 600/586 |
| US 6203573 B1 | Method of making biodegradable implant material and products made therefrom | 20010320 623/16.11 |
| US 6197065 B1 | Method and apparatus for segmental bone replacement | 20010306 623/23.17 |
| US 6156068 A | Method of resurfacing a femoral condyle | 20001205 623/18.11 |
| US 6013853 A | Continuous release polymeric implant carrier | 20000111 424/423 |
| US 6007496 A | Syringe assembly for harvesting bone | 19991228 600/565 |
| US 5986169 A | Porous nickel-titanium alloy article | 19991116 424/422 |
| US 5882351 A | Fasteners having coordinated self-seeking conforming members and uses thereof | 19990316 606/63 |
| US 5876452 A | Biodegradable implant | 19990302 623/23.72 |
| US 5863297 A | Moldable, hand-shapable biodegradable implant material | 19990126 623/17.18 |
| US 5732469 A | Prosthesis and a method of making the same | 19980331 29/896.6 |
| US 5718590 A | Method for keyboard training | 19980217 434/227 |
| US 5626429 A | Keyboard arrangement to maximize one-handed typing speed and training for engineering an | 19970506 400/487 |
| US 5496372 A | Hard tissue prosthesis including porous thin metal sheets | 19960305 623/23.54 |
| US 5489306 A | Graduated porosity implant for fibro-osseous integration | 19960206 623/23.55 |
| US 5422376 A | Synthetic viscoelastic material for ophthalmic applications | 19950606 514/781 |
| US 5282861 A | Open cell tantalum structures for cancellous bone implants and cell and tissue receptors | 19940201 623/23.51 |
| US 5211661 A | Artificial living body composite material | 19930518 623/23.56 |
| US 5141510 A | Structure of artificial bone material for use in implantation | 19920825 623/23.56 |
| US 5098434 A | Porous coated bone screw | 19920324 606/73 |
| US 5052930 A | Dental implant and method of implantation | 19911001 433/173 |
| US 5002488 A | Dental implants with resorption preventing means | 19910326 433/169 |
| US 4959064 A | Dynamic tension bone screw | 19900925 606/65 |
| US 4947502 A | Method of making a dynamic tension bone screw | 19900814 470/9 |
| US 4815454 A | Apparatus and method for injecting bone cement | 19890328 606/94 |
| US 4722870 A | Metal-ceramic composite material useful for implant devices | 19880202 428/621 |
| US 4673407 A | Joint-replacement prosthetic device | 19870616 623/20.33 |
| US 4621100 A | Treatment of osteoporosis with prostaglandins | 19861104 514/573 |
| US 4491987 A | Method of orthopedic implantation and implant product | 19850108 623/23.59 |
| US 4462394 A | Intra-medullary canal seal for cement pressurization | 19840731 606/94 |
| US 4309488 A | Implantable bone replacement materials based on calcium phosphate ceramic material in a n | 19820105 428/547 |
| US 4229841 A | Wrist prosthesis | 19801028 623/21.12 |
| US 3754338 A | SPINAL COLUMN SIMULATOR | 19730828 434/274 |
| WO 2060347 A2 | MODELING VISCOELASTIC TORSIONAL PROPERTIES OF OSTEOONS | 20020808 81 |
| WO 200260347 A | Model of compact adult bone comprises viscoelastic properties of at least one type of second | 20020812 44 |
| US 6007496 A | Syringe assembly for harvesting bone | 19991228 |
| WO 9817199 A | Coated ophthalmic and implantable device(s) - have coating deposited by magnetron sputteri | 19980430 |
| DE 4222763 A | Implant for use as a stopper for bone marrow or in joint-replacement - comprises an elastic, v | 19940113 |

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